

SECRET
IDEALIST

IDEA-3097-66
Copy 8 of 8

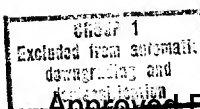
12 April 1966

MEMORANDUM FOR THE RECORD

SUBJECT : Characteristics of IDEALIST Camera Systems

1. Hycon "B" cameras will be replaced during 1966 with light weight versions of the same cameras having improved performance characteristics. Two of these have been delivered and flight tested, the four remaining will be delivered at a rate of one per month.
2. Itek Delta III cameras have been used in the past against specialized targets where high resolution was essential. Agency assets include three of these cameras, one of which is on loan to OL-20.
3. The Hycon H camera, designed for target acquisition at distances up to 30 miles, is currently in flight test status at Detachment G. Pilotage techniques for locating and covering targets will be worked out before committing it to operational use.
4. A proposal has been received from Itek for a so-called Optical Bar Panoramic camera that combines convergent stereo, large scale, high resolution, wide swath, and range with light weight in a suitable compromise.
5. The Eastman Type II camera can be installed in the IDEALIST vehicle if the stable platform is removed and revisions are made to the image motion compensation circuitry. It is expected that performance would be about equivalent to that of the improved B camera, however since there are only two of these cameras in existence, it is questionable whether technical representative support would be worth the effort.

IDEALIST
SECRET



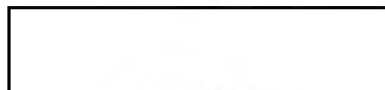
SECRET
IDEALIST

IDEA-3097-66

6. The attached numerical summary of the above noted IDEALIST Camera Systems lists the principle operational characteristics that affect intelligence gathering ability. Since any reconnaissance system is a compromise directed toward doing several jobs as well as possible, a comparative analysis should not give undue emphasis to one characteristic over another. Each of the five systems were rated on a scale of 1 to 5 (5 being the best) against the eight parameters that contribute to a desirable system. While the ratings shown may be adjusted somewhat by judgment factors, it seems apparent that the light weight B cameras and the Delta III will continue to provide the IDEALIST reconnaissance capability, with special support as required from the H camera.

7. Other sensors such as the tracker and IR systems, which are considered secondary to the primary mission, have been omitted from this summary.

SIGNED



25X1A

SSD/OSA

Attachment: As Stated

C/SSD/OSA/  **(12 April 1966)**

Distribution:

- Cy 1 - SSD/OSA (all eyes w/att)**
2 - D/TECH/OSA
3 - D/FA/OSA
4 - IDNA/OSA
5 - INTEL/OSA
6 - SA(Sci)D/TECH/OSA
7 - chrono
8 - RB/OSA

IDEALIST
SECRET

25X1

Approved For Release 2002/08/06 : CIA-RDP68B00724R000200200061-1

Approved For Release 2002/08/06 : CIA-RDP68B00724R000200200061-1